

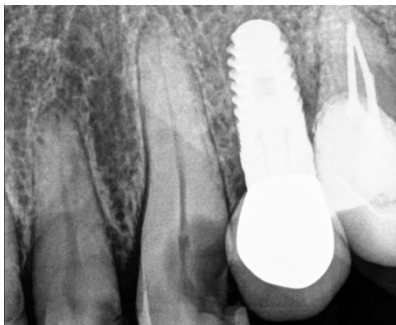
# CASE REPORT



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## Tooth #11 Replaced with Astra tech implant system EV using Azeno

Cheryl is a 54 y.o. female with severe xerostomia resulting in gross caries tooth #11. The restorative prognosis was poor and she elected to have the tooth extracted and replace it with an Astra tech implant utilizing the Azeno solution. The site was allowed to heal for 3 months after the extraction and DFBA bone graft. Guided surgery was performed in order to position the implant in an ideal restorative position for a screw retained restoration. The immediate provisional was used to ideally shape the gingiva from the day of surgery and to provide her with an esthetic provisional. The provisional was taken out of occlusion and Cheryl was instructed to use this for smiling only.



1. Pre-operative radiograph showing gross caries into nerve and extending beyond the attachment level. Crown lengthening would compromise adjacent tooth and implant.



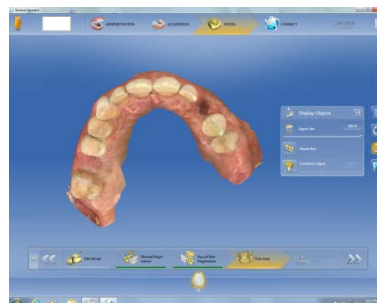
2. Pre-operative image of healed ridge for previously extracted and bone grafted tooth #11



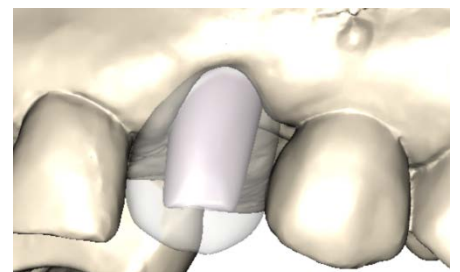
3. Facial view of edentulous space #11.



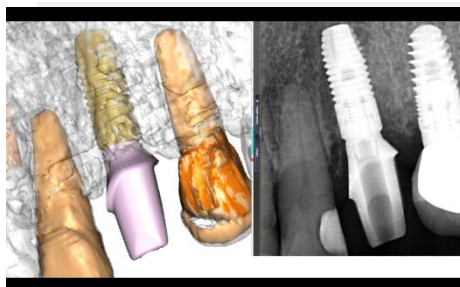
4. Galileos CBCT images used for planning of Astra tech implant site #11.



5. Cerec intraoral scan of treatment arch.



6. Crown down approach to planning in Azeno showing proposed crown, including proposed emergence profile and abutment designed based on this crown proposal.



7. Azento planning side by side with image of actual surgical result.



8. Close up image of custom healing abutment, Atlantis abutment and provisional crown. Note the emergence profile of the custom healing abutment mimics the patient specific Atlantis abutment.



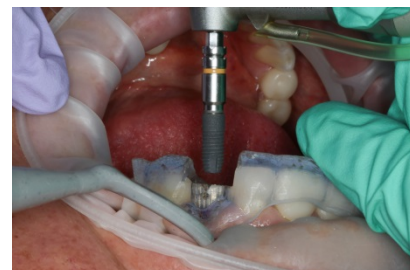
9. Surgical guide which is retentive, fits well and has a notch to identify proper timing for implant insertion.



10. Insert step ten description here



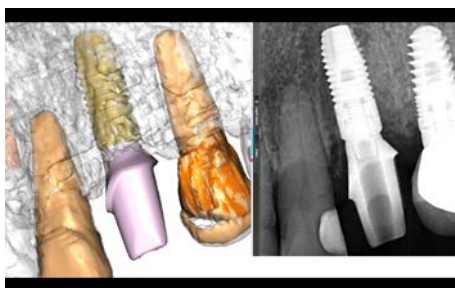
11. Insert step eleven description here



12. Insertion of Astra tech implant through Safe guide.



13. Note alignment of notch on guide and notch on implant driver. This ensures that the Atlantis specific abutment is in the proper position for the delivery of the provisional on the day of surgery.



14. Azento proposal prior to surgery on the left. And radiograph of Astra tech implant and Atlantis abutment on the right.



15. The custom healing abutment which mimics the emergence profile of the final Atlantis abutment is also provided in case the clinician decides not to place a provisional. An Essex retainer could be placed over the abutment to eliminate any load and to provide esthetics for the healing period.



16. Atlantis patient specific abutment.



17. Side by side of proposed plan by Azento and final result of screw retained final restoration.

*This case report is published as an inspiration for you as a clinician / technician and not necessarily as a recommendation from Dentsply Sirona.*